



STIC Search Report

EIC 3700

STIC Database Tracking Number: 6397764

TO: Patricia Martin
Location: RND 8a40
Art Unit: 3700
Friday, May 27, 2005

Case Serial Number: 10/780551

From: Terry Solomon
Location: EIC 3700
RND 8b31
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Search Notes

No current or past litigation found involving US pat. 6397764.

Sources:

Lexis/Nexis
Questel-Orbit

951810 (09) 6397764 June 4, 2002

Time of Request: May 27, 2005 02:02 PM EDT

Research Information:

Utility, Design and Plant Patents
patno=6397764

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6397764

June 4, 2002

Animal carcass incinerator

REISSUE: February 17, 2004 - Reissue Application filed Ex. Gp.: 3749; Re. S.N. 10/780,551 (O.G. August 10, 2004)

APPL-NO: 951810 (09)

FILED-DATE: September 14, 2001

GRANTED-DATE: June 4, 2002

LEGAL-REP: Horton, John Wiley

Selected file: PLUSPAT
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** SS 1: Results 1
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image
Patent Number :
US6397764 B1 20020604 [US6397764]
Title :
(B1) Animal carcass incinerator
Inventor(s) :
(B1) MASSEY SAMMY K (US)
Application Nbr :
US95181001 20010914 [2001US-0951810]
Priority Details :
US95181001 20010914 [2001US-0951810]
Intl Patent Class :
(B1) F23G-001/00 F23M-005/00
EPO ECLA Class :
F23G-001/00
F23G-005/32
US Patent Class :
ORIGINAL (O) : 110194000; CROSS-REFERENCE (X) : 110248000 110336000
Document Type :

Basic
Citations :
US-329373; US1771850; US2288028; US4000705; US4433523; US4628898;
US5699745; US5799597; US5926933; US6116170; US6244195; US6324999
Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001
Abstract :

An animal carcass incinerator designed to subject the entire external surface of the biomass material simultaneously to flame. The flame front burns inward toward the core of the material, greatly accelerating the burning process. Complete flame coverage of the biomass material is achieved by carefully shaping the internal surfaces of the incinerator. Burning gases are injected into a lower flame chamber. This lower flame chamber is bounded on its upper side by a grate, and on its remaining sides by the walls of the incinerator. Above the grate is a biomass chamber, where the animal carcasses or similar waste are deposited for incineration. The incinerator walls are lined with refractory insulating materials which incorporate a series of vertical flame channels.

Likewise, the grate incorporates a series of vertical open channels. These channels are separated by raised ribs, which prevent the biomass materials from closing off the channels. The result is that even when the incinerator is jammed full of biomass materials, the burner flames still spread evenly around the entire external surface of the materials. A supplemental blower injects air to create a swirling pattern of flame within the biomass chamber.

Update Code :
2002-24

1 / 1 LGST - ©EPO
Patent Number :
US6397764 B1 20020604 [US6397764]
Application Number :
US95181001 20010914 [2001US-0951810]
Action Taken :
20040810 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040217

Update Code :

2004-34

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

6,397,764 A 20020604 [US6397764]

Patent Assignee :

Massey, Sammy K

Actions :

20040217 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040810

REISSUE REQUEST NUMBER: 10/780551

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3749

Reissue Patent Number:

Session finished: 27 MAY 2005 Time 20:40:58

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